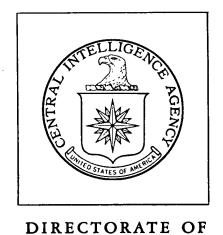
Top Secret



INTELLIGENCE

Industrial Facilities (Non-Military)

Basic Imagery Interpretation Report

Major Electric Power Plants Liaoning Province, China

Top Secret

RCS	13/0018/71
	25 X 1
DATE	FEBRUARY 1971
COPY	117
PAGES	17



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CENTRAL INTELLIGENCE AGENCY Directorate of Intelligence Imagery Analysis Service

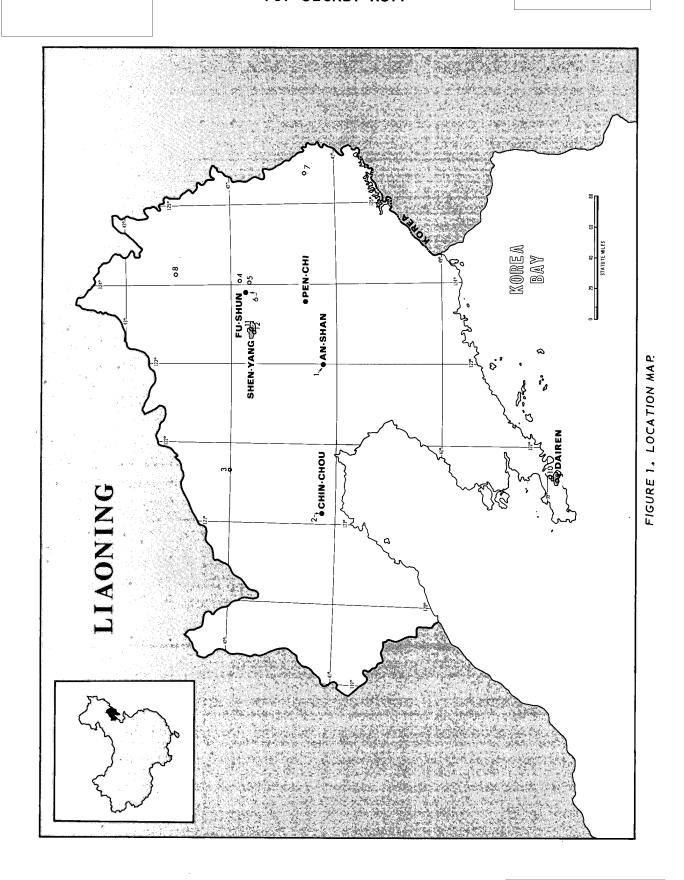
ABSTRACT

This report, based on late 1969 and 1970 imagery, updates the previous basic reporting on 12 of the major electric power plants in Liaoning Province, northeastern China. The cut-off date for information is November 1970.

Changes were observed at only three of the plants. The Shen-yang Thermal Power Plant Northeast was being converted to a heat processing plant. The boilerhouse and generator hall roofs were modified and two of the three stacks were dismantled between January 1969 and April 1970. At the Kai-yuan Thermal Power Plant Ching-ho, the roofs of the boilerhouse and generator hall were removed between November 1968 and December 1969. At the third plant, Lu-ta Thermal Power Plant No. I Amanogawa, the smoke stacks were removed between September and November 1970.

On the latest coverage, eight of the plants were operating and one plant was probably operating.

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INTRODUCTION

This report updates previous basic reporting on the following I2 major electric power plants in Liaoning Province (see Figure I).

- I. An-shan Heat and Thermal Power Plant Steel Plant
- 2. Chin-chou Thermal Power Plant Synthetic Fuels Plant
- 3. Fou-hsin Thermal Power Plant
- 4. Fu-shun Heat and Thermal Power Plant Liao-ning
- 5. Fu-shun Thermal Power Plant Shale Oil Plant No. 2
- 6. Fu-shun Thermal Power Plant Tai-kan-ton
- 7. Huan-jen Hydro Power Plant Hun-chiang
- 8. Kai-yuan Thermal Power Plant Ching-ho
- 9. Lu-ta (Dairen) Thermal Power Plant No. I Amanogawa
- 10. Lu-ta Heat and Thermal Power Plant No. 2 Kan-ching-tzu
- II. Shen-yang Thermal Power Plant Northeast (converted to a heat processing plant)
- 12. Shen-yang Thermal Power Plant Tieh-hsi

Requirement

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Support Number 421951

Document

CIA. RCS-13/0027/70, Major Electric Power Plants, Liaoning Province, China, February 1970, (TOP SECRET RUFF)

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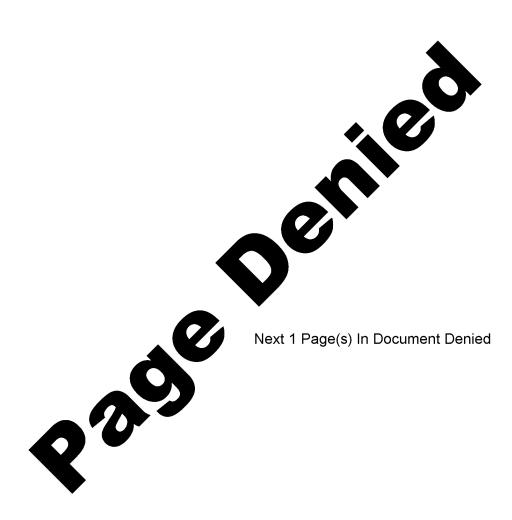
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		OP SECRET RUFF	
NSTALLATION OR AC	TIVITY NAME		COUNTRY
An-shan Heat a	and Thermal Power Plan	nt Steel Plant	СН
UTM COORDINATES	GEOGRAPHIC COORDINATES		-
51TVF987529	41-07-55N 122-59-05	ΣE	
MAP REFERENCE	TO 0 1: 200 Chan		
	AIC, S <u>eries 200, Sheet</u> CCRET	† M0289–20HL, 3rd ed, Sep 60	5, Scale 1:200,000
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	10	MEGATION DATE (II rogalita)	
		NA	
	טווכ	SIC DESCRIPTION	
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Steel Plant single previous reportant	nce November 1968, th t.	ne date of the latest photogo observed in March 1970. Vap	graphy used in the
Steel Plant single previous reportant	nce November 1968, thet. was operating when o	ne date of the latest photogo observed in March 1970. Vap	graphy used in the
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Steel Plant single previous reportant	nce November 1968, thet. was operating when o	ne date of the latest photog observed in March 1970. Vap	graphy used in the

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NSTALLATION OR ACTIVITY NAME	COUNTRY
Fu-shun Heat and Thermal Power Plant Liao-ning JTM COORDINATES GEOGRAPHIC COORDINATES	СН
51TWG910415 41-55-11N 124-05-32E	
MAP REFERENCE	
6th RTS. USATC, Series 200, Sheet M0290-IIHL, 4th ed, Jan 60 (SECRET√	5, Scale 1:200,000
_ATEST IMAGERY USED NEGATION DATE (If required)	
	NA
BASIC DESCRIPTION	
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The plant was operating in March 1970. Heavy smoke was from all three of the stacks.	observed emanating
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NSTALLATION OR ACTIVITY NAME Fu-shun Thermal Power Plant Shale Oil Plant No. 2 CH TIMMOORDINATES GEOGRAPHIC COORDINATES 1/14-9-45N 124-02-55E MAP REFERENCE 57th RTS. USATC, Series 200. Sheet M0290-11HL. 4th ed. Jan 66, Scale 1:200,000 (SECRET NAMERY USED NEGATION DATE (If required) NA BASIC DESCRIPTION No changes have been observed at the Fu-shun Thermal Power Plant Shale Oil Plant No. 2 since November 1968, the date of the latest photography used in the previous report. The plant was operating in December 1969. Smoke was observed emanating from the stack and vapor from one of the two cooling towers.	TOD 657	TOPE DITE	
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previous report. The plant was operating in December 1969. Smoke was observed emanating	No changes have been observed at it	ie tu-snun inermai i re of the latest pho	ower riani snate of a
The plant was operating in December 1969. Smoke was observed emanating	Tall No. 2 Street November 1200, the	0 01 1110 12.11	710g, 5p. 7
The plant was operating in December 1909. Shoke was observed emanating from the stack and vapor from one of the two cooling towers.			
TOWN THE STREET WAS ALL THE THE THE TENT OF	revious report.	- 1060 Smoke was d	shoonyad amanating
	revious report. The plant was operating in December	· 1969. Smoke was o	observed emanating
	revious report. The plant was operating in December	- 1969. Smoke was o two cooling towers	observed emanating
	revious report. The plant was operating in December	1969. Smoke was on two cooling towers	observed emanating
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INSTALLATION OR ACTIVITY NAME Fu-shun Thermal Power Plant Tai-kan-ton UTM COORDINATES GEOGRAPHIC COORDINATES 51TWG708341 41-51-12N 123-53-03E MAP REFERENCE USATC, Series 200, Sheet M0290-11HL, 4th ed, Jan 66, S (SECRET) LATEST IMAGERY USED NEGATION DATE (IT required)	·
Fu-shun Thermal Power Plant Tai-kan-ton UTM COORDINATES GEOGRAPHIC COORDINATES 51TWG708341 41-51-12N 123-53-03E MAP REFERENCE USATC, Series 200, Sheet M0290-11HL, 4th ed, Jan 66, S (SECRET LATEST IMAGERY USED	
UTM COORDINATES 51TWG708341 41-51-12N 123-53-03E MAP REFERENCE USATC, Series 200, Sheet M0290-11HL, 4th ed, Jan 66, S (SECRET) LATEST IMAGERY USED NEGATION DATE (IT required)	COUNTRY
LATEST IMAGERY USED INEGATION DATE (IT required)	CH
NA	care 1:200,000
BASIC DESCRIPTION	
No changes have been observed at the Fu-shun Thermal Power P since April 1969, the date of the latest photography used in the The plant was operating in March 1970. Smoke was observed en two of the four stacks and vapor from ten of the 13 cooling towers	previous report.

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	08/10/06 : CIA-RDP79T00909 OP SECRET RUFF	9AUUU9UUU10044-	.9
NSTALLATION OR ACTIVITY NAME		COU	NTRY
Huan-jen Hydro Power Plant Hun-chi			СН
51TYF022710 41-17-00N 125-23-53			
JSNOO. USATC, <u>Series 200. Sheet MC</u> (SECRET)	0290-17HL. 4th ed. Anr 6	8. Scale 1:200	
ATEST IMAGERY USED	NEGATION DATE (If requ	ired)	
		NA	
DA	ASIC DESCRIPTION		
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no changes have been observed ince May 1969, the date of the la	atest photography used i	n the previous	report.
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	operation in December 19	69. Water turb	u l ence
	operation in December 19	69. Water turb	u l ence
	operation in December 19	69. Water turb	ulence
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The plant appeared to be in constant of the plant appeared to be in constant of the tailrace.	operation in December 19	69. Water turb	pulence

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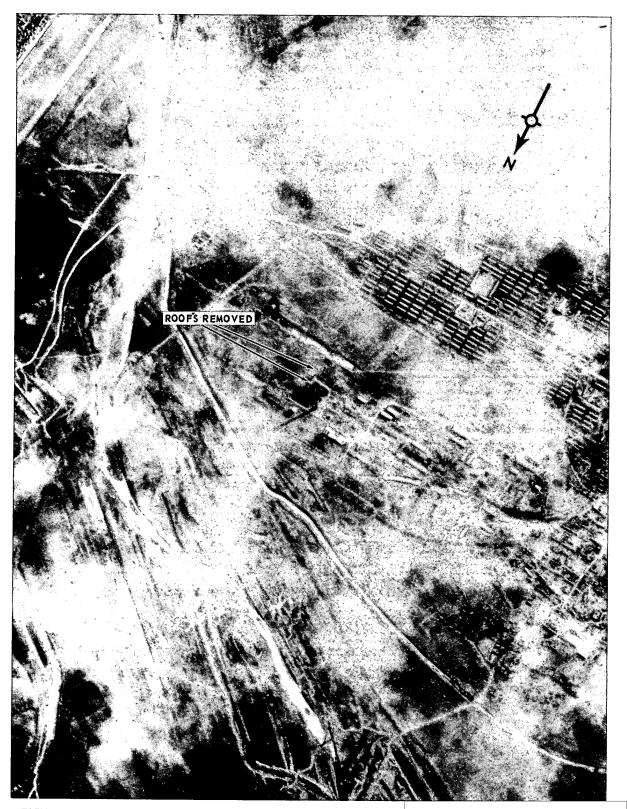
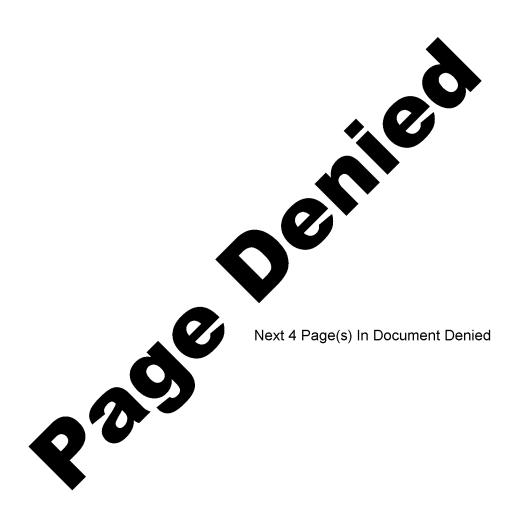


FIGURE 2. KAI-YUAN THERMAL POWER PLANT CHING-HO, CHINA.

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STALLATION OR AC	CTIVITY NAME			. '	COUNTRY
ai-yuan Therm	al Power Pla	ant Ching-ho	· · · · · · · · · · · · · · · · · · ·		СН
TM COORDINATES 1 TWH955107	GEOGRAPHIC CO	OORDINATES N 124-09-31E			
AP REFERENCE	42-32-311	1 124-09-51E			
SNOO. USATC, (SECRE		. Sheet M0290-	5HL, 4th ed, Fe	eb 68, Scale	1:200,000
ATEST IMAGERY US			NEGATION DATE (I	f required)	
				NA	· · · · · · · · · · · · · · · · · · ·
		BASIC	DESCRIPTION		
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